



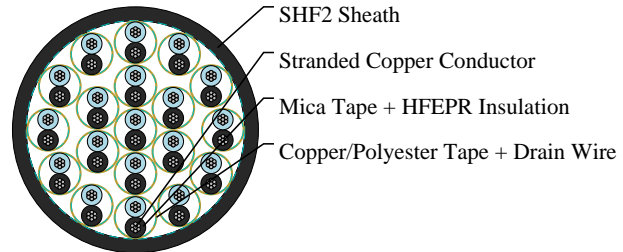
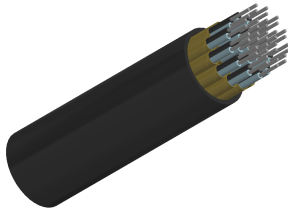
## Caledonian

NEK606 Caledonian Offshore & Marine Cables Fire Resistant Instrumentation Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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### S107 (Formerly S13) BU(i) 250 V



### APPLICATIONS

These cables are flame retardant, low smoke, halogen free and mud resistant, used for instrumentation, communication, control and alarm systems.

### STANDARDS

IEC 60092-376  
IEC 60092-360  
IEC 60332-1  
IEC 60332-3-22  
IEC 60754-1,2  
IEC 61034-1,2  
NEK 606:2016  
IEC 60331-21

### VOLTAGE RATING

250V

### CABLE CONSTRUCTION

Conductors: Circular tinned annealed stranded copper wire to IEC 60228 class 2 or class 5.

Insulation: Mica tape + Halogen free EPR compound or Mica tape + XLPE.

Twinning: Colour coded cores twisted together.

Individual Shielding: Each pairs/triples are screened by copper backed polyester tape in contact with a stranded tinned copper drain wire and wrapped with polyester tape. Pairs/triples are numbered with numbered tape or by numbers printed directly on the insulated conductors.

Outer Sheath: Halogen free thermosetting compound, SHF2, coloured grey (blue for intrinsically safe).

### MECHANICAL PROPERTIES

Bending Radius: 8×OD (during installation); 6×OD (fixed installed)

Temperature Range: -20°C ~ +90°C

### TECHNICAL CHARACTERISTICS



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| Nom. Cross-Section Area | Nom. Conductor Diameter | Maximum Resistance @20°C | Mutual Capacitance | Nominal Inductance @ 1KHz | Maximum L/ R @ 1KHz |
|-------------------------|-------------------------|--------------------------|--------------------|---------------------------|---------------------|
| mm <sup>2</sup>         | mm                      | Ohm/km                   | nF/km              | MH/km                     | μH/Ω                |
| 1.5                     | 1.6                     | 12.9                     | 100                | 0.673                     | 35                  |

#### DIMENSION AND PARAMETERS

| Construction No. of elements×No. of cores in element×Cross section | Nominal Insulation Thickness | Nominal Sheath Thickness | Approx. Overall Diameter | Approx. Weight |
|--|------------------------------|--------------------------|--------------------------|----------------|
| mm <sup>2</sup>  | mm                           | mm                       | mm                       | kg/km          |
| 19×2×1.5   | 0.7                          | 2.0                      | 30.5                     | 1645           |